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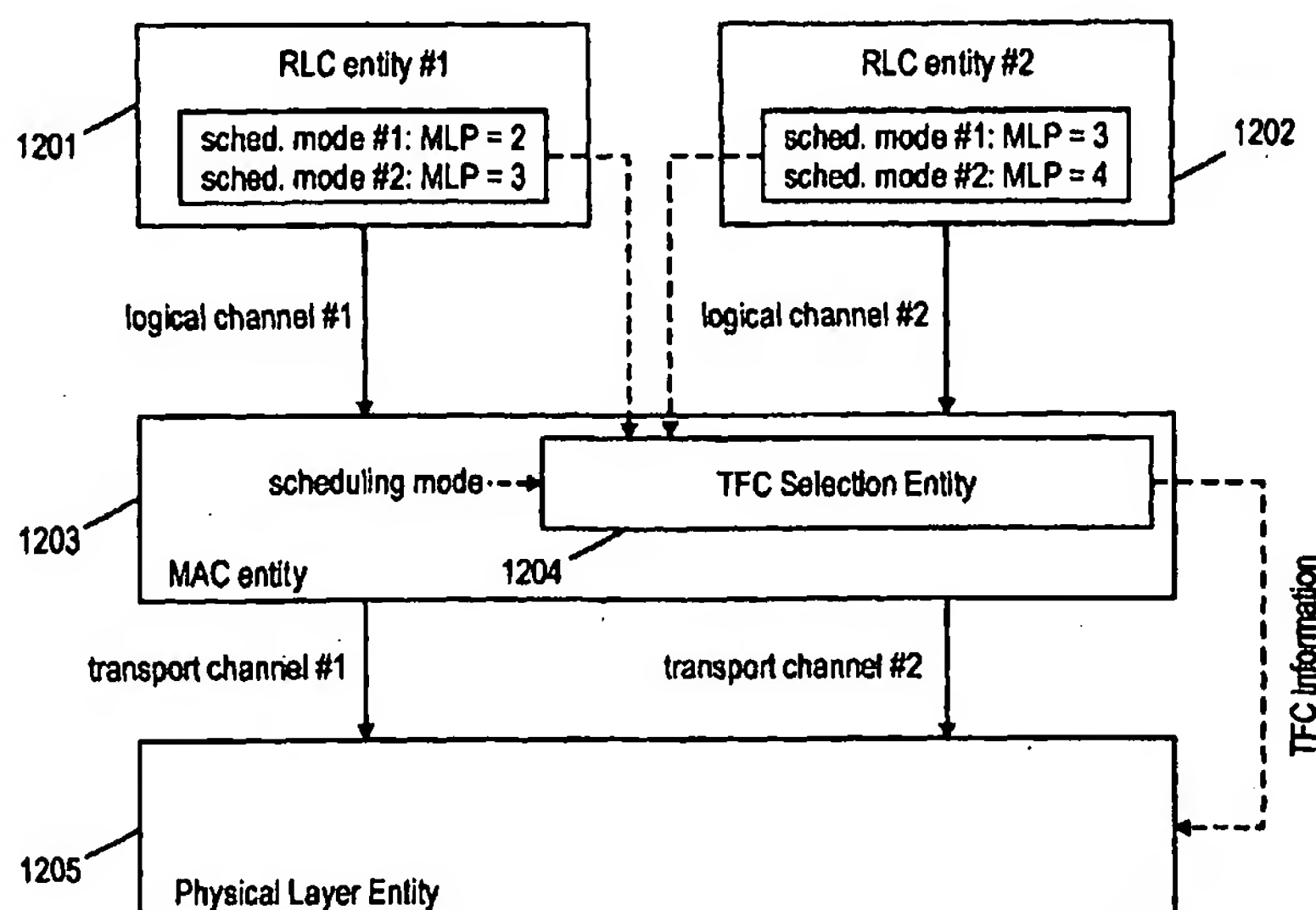
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(54) Title: **SCHEDULING MODE DEPENDENT DATA TRANSMISSIONS**



(57) Abstract: The present invention relates to a method for transmitting data from a mobile terminal to a radio access network of a mobile communication system, the mobile terminal comprising a medium access control entity and to a mobile terminal. In order to enhance data transmission dependent on the scheduling mode, the present invention provides individual priorities depending on the scheduling mode which are used by the mobile terminal to schedule the transmission data or to multiplex different transmission data of different radio bearers onto a transport channel. Further the invention relates to a method and mobile terminal allowing a scheduling mode dependent scheduling of data transmissions by foreseeing and setting a flag for each logical channel depending on the scheduling mode of the associated radio bearer.

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